Contents

Ablowitz, M. J., see Fokas, A. S. 381
Alvarez-Gaumé, L., Freedman, D. Z.: Potentials for the Supersymmetric Nonlinear σ-Model ... 87
Araki, H., Evans, D. E.: On a C^*-Algebra Approach to Phase Transition in the Two-Dimensional Ising Model 489
Awada, M. A.: Fibre Bundles and Supergravity 53
Bars, I., Günaydin M.: Unitary Representations of Non-Compact Supergroups 31
Borgs, C., Seiler, E.: Lattice Yang-Mills Theory at Nonzero Temperature and the Confinement Problem 329
Botvich, D. D., Malyshev, V. A.: Unitary Equivalence of Temperature Dynamics for Ideal and Locally Perturbed Fermi-Gas 301
Brydges, D. C., Fröhlich, J., Sokal, A. D.: The Random-Walk Representation of Classical Spin Systems and Correlation Inequalities. II. The Skeleton Inequalities 117
Brydges, D. C., Fröhlich, J., Sokal, A. D.: A New Proof of the Existence and Nontriviality of the Continuum Φ_2^4 and Φ_3^4 Quantum Field Theories 141
Calan, C. de, Rivasseau, V.: A Comment on the Local Existence of the Borel Transform in Euclidean Φ_4^4 265
Chorin, A. J.: The Instability of Fronts in a Porous Medium 103
Curry, J. H., Garnett, L., Sullivan, D.: On the Iteration of a Rational Function: Computer Experiments with Newton's Method 267
DiPerna, R. J.: Convergence of the Viscosity Method for Isentropic Gas Dynamics 1
Evans, D. E., see Araki, H. 489
Fokas, A. S., Ablowitz, M. J.: On the Initial Value Problem of the Second Painlevé Transcendent 381
Fradkin, E. S., Kozhevnikov, A. A., Palchik, M. Ya., Pomeransky, A. A.: Maxwell Equations in Conformal Invariant Electrodynamics 529
Freedman, D. Z., see Alvarez-Gaumé, L. 87
Friedrich, H.: Cauchy Problems for the Conformal Vacuum Field Equations in General Relativity 445
Fontaine, J.-R.: Scaling Limit of Some Critical Models 419
Fröhlich, J., see Brydges, D. C., et al. 117
Fröhlich, J., see Brydges, D. C., et al. 141
Galperin, G. A.: Non-Periodic and not Everywhere Dense Billiard Trajectories in Convex Polygons and Polyhedrons 187
Garnett, L., see Curry, J. H., et al. 267
Günaydin, M., see Bars, I. 31
Høegh-Krohn, R., Mebkhout: The $\frac{1}{4}$ Expansion for the Critical Multiple Well Problem 65
Hogreve, H., Potthoff, J., Schrader, R.: Classical Limits for Quantum Particles in External Yang-Mills Potentials 573
Kerner, R.: Graded Gauge Theory 213
Kozhevnikov, A. A., see Fradkin, E. S., et al. 529
Krámli, A., Szász, D.: Central Limit Theorem for the Lorentz Process via Perturbation Theory 519
Lang, G., Lesniewski, A.: Axioms for Renormalization in Euclidean Quantum Field Theory ... 505
Lebedev, D. R., Radul, A. O.: Generalized Internal Long Waves Equations: Construction, Hamiltonian Structure, and Conservation Laws 543
Lesniewski, A., see Lang, G. 505
Malyshev, V. A., see Botvich, D. D. 301
Marchioro, C., Pulvirenti, M.: Euler Evolution for Singular Initial Data and Vortex Theory 563
McCarthy, P. J.: The General Exact Bijective Continuous Solution of Feigenbaum's Functional Equation 431
Mebkhout, M., see Høegh-Krohn, R. 65
Mourre, E.: Opérateurs conjugués et propriétés de propagation 279
Nenciu, G.: Existence of the Exponentially Localised Wannier Functions 81
Newman, C. M.: A General Central Limit Theorem for FKG Systems 75

Ozawa, S.: On a Elaboration of M. Kac's Theorem Concerning Eigenvalues of the Laplacian in a Region with Randomly Distributed Small Obstacles 473
Palchik, M. Ya., see Fradkin, E. S., et al. 529
Phelps, R. R.: Generic Fréchet Differentiability of the Pressure in Certain Lattice Systems 557
Pomeransky, A. A., see Fradkin, E. S., et al. 529
Potthoff, J., see Hogreve, H., et al. 573
Pulvirenti, M., see Marchioro, C. 563
Radul, A. O., see Lebedev, D. R. 543
Rivasseau, V., see Calan, C. de 265
Schrader, R., see Hogreve, H., et al. 573
Seiler, E., see Borgs, C. 329
Shatah, J.: Stable Standing Waves of Nonlinear Klein-Gordon Equations 313
Sokal, A. D., see Brydges, D. C., et al. 117
Sokal, A. D., see Brydges, D. C., et al. 141
Sullivan, D., see Curry, J. H., et al. 267
Szász, D., see Krámli, A. 519
Taubes, C. H.: Stability in Yang-Mills Theories 235
Thomas, L. E., Zhong Yin: Low Temperature Expansions for the Gibbs States of Weakly Interacting Quantum Ising Lattice Systems 405
Zhong Yin, see Thomas, L. E. 405

Indexed in Current Contents